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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/546,575

04/10/2000

Fergal John Mohan

74937/0269804

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12/29/2004

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EXAMINER

BOCCIO, VINCENT F

ART UNIT

PAPER NUMBER

2616

DATE MAILED: 12/29/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/546,575	Applicant(s) MOHAN ET AL.	
	Examiner Vincent F. Boccio	Art Unit 2616	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on Amendment and Arguments of 8/5/04.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

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DETAILED ACTION

The Group and/or Art Unit location of your application in the PTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Group Art Unit 2616.

Claim Objections

1. Claim 7 is objected to because of the following informalities:

{A} Claim 7 recites, "a button number message", according to Fig. 3, step 120, is "Generate EC_DVD_Buton_Change_Message", please either amend the claim to corresponding to the drawing, or provide a drawing corresponding the claim. The examiner recommends amending to the drawing and believes that the claim language user is an inadvertent oversight, when writing the claims in view of the specification.

Therefore, it is an acknowledgement by the examiner that the Button number/change message, according to the claims and drawing Fig. 3, represents the acknowledgement by the system of a user input, corresponding to the WEB button, thereby would be a change of state or mode of presentation of the system, as understood {also see claim 7 below}.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-4, 6-11, 13-21 are rejected under 35 U.S.C. 102(e) as being anticipated by Kanazawa et al. (US 6,580,870).

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Regarding claims 1, 3, Kanazawa discloses and meets the limitations associated with a system for generating information representative of the contents of a DVD, the DVD having been authored (present data structure), such that the information includes embedded commands to populate a plurality of elements of a general DVD parameter register with positional playback data, the system comprising:

- a DVD player/system (Fig. 1 and/or Fig. 17, may be a PC based system, "DVD drive 4, media 40" or "DVD drive 111, "HDD 13", also reference Fig. 16, DVD specifics, and various embodiments, shown are all relied upon);
- wherein the DVD is read (with a head) and the system player/unit/system facilitates the playing of the DVD media, rendering video etc.....(Fig.17, "decoder and/or VGA output"), etc.;
- upon receiving a certain embedded command (col. 13, line 65 to col. 14, line 8, "navigation command embedded ... is used as a command to specify the URL", This makes it possible to display a button indicating a link with the **HTML contents**"),
- writing indicia of a current position of play within the DVD (happens upon the user selecting a button or Fig. 19, "WEB LINK BUTTON & "ADDRESS http//www", wherein selecting the button col. 16, referring to Fig. 20, causes a pause playback state, upon this state, **stores indicia (BROAD limitation), or position information or indicia, or data to resume later, step S104, which meets the limitation of a register, such as in a RAM memory location**);

(col. 16, lines 15-, upon the user selecting the "BUTTON", "stores the position and state of DVD video presently being reproduced and go into the pause or halt state, thereby meeting the limitation of a general DVD parameter register),

- URL deriving means (col. 16, "a table that correlates to the ID is sensed by referring to a table that correlated Ids and URLS"), for receiving the information {Ids to URLS} and deriving (LOOKUP TABLE) a URL from the information;

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- a browser for displaying content designated of the URL (col. 16, "use the Internet address as an augment to start the WWW browser 117"),

also see col. 15, "acquired from an external server" or even "cached in a hard drive", thereby made readily available without accessing the WWW server); and

- a media player adapted for receiving information, extracting video content from the information and displaying the video content (met by playing the DVD, having video, wherein Fig.1, is adapted to read and display at least video content).

Regarding claims 2 and 10, Kanazawa after a careful review of clearly anticipates, to one of ordinary skill in the art, provides for and meets the limitation of a **TEXT INFORMATION PARSER**, which has the function of:

O receiving the information (from the DVD), and parsing the information to derive data containing the URL therefrom (Fig. 3, "URLs", Fig. 16, "DVDX medium, in the Navigation Data 301, to the Navigation Manager 201, parsing the URL, being a text address, therefore, the combination of the Navigation Manager and the presentation Engine 201 & 202, clearly meet the limitation of parsers, 201, parsing the URL, and 202 parsing the Video from the received streams, from the media thru at least one read head).

Regarding claims 4 and 11, Kanazawa further meets the limitation of wherein content designated by the URL is HTML (col. 15, lines 34-, "USER SELECTS A WEB BUTTON ... the HTML contents are ... acquired from ... an external WWW server", etc.....), coded type data from the Internet or Web, based on the URL address (reference Fig. 16, wherein the HTML has been cached or is stored to the DVD, see "HTML file").

Regarding claim 6, Kanazawa further meets the limitations of wherein the media player is for displaying a menu button, specified by the information from the DVD (Fig. 19 A, menu for user selection or the "WEB LINK BUTTON"), the menu button being associated with a URL Fig. 19 A, such as "http://WWW" or URL address, also Fig. 16 "URL from 201 from medium DVDx, the association between the menu button and the URL being responsive to the positional playback data in the parameter register (col.

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16, line 15-, "WEB BUTTON PRESSED during playback ... control program acquires a navigation pack (NV_PCK) in the video object unit presently being reproduced ... judges ... URL ... present in the NV_PCK ... no Internet address" or no URL, "playback is continued ... If ... URL included ... use the internet address as an augment to start the WWW browser"), wherein the browser is for displaying the content specified by the URL responsive to user actuation of the menu button.

Regarding claim 7, Kanazawa further meets the limitations of wherein the information of wherein the URL deriving means comprises a DVD text parser (such as shown in Fig. 16, "URL from 201 from DVDx", therefore parsed from the reproduced stream of the DVDx medium, thereby to derive the URL therefrom (derive URL from NV_PCK presently being reproduced when included start the browser col. 16 etc.....), wherein the system/media player is for generating a button number message or according to Fig. 3, "Button Change Message", met by the system acknowledgement of the user' action {selecting the WEB button}, generating a corresponding message, which causes the control program 16 to acquire a NV_PCK in the video object being reproduced to obtain the URL, when found start the Browser, wherein the system comprises means for receiving the message and calls the DVD text parser to parser the URL {col. 16}, wherein in accord to col.20, lines 6-, when a certain button has been pressed {WEB BUTTON}, wherein for a script in the HTML, wherein upon selecting the WEB button, the event script (selection/change/event) and deriving means extract the URL, wherein the event script in response to the selection, the DVD is controlled on the basis of the displayed HTML file and a TUG/TAG {TUG seem to be a typo, tag in HTML is deemed to be correct}, specifying the start position of the DVD video is embedded in the HTML script, col. 20, therefore, upon the user selecting the WEB button, the URL is derived and the script also receives the message, causing the playback start position of the DVD video to be embedded in the HTML script.

Regarding claims 14-15, Kanazawa further meets the limitations of wherein the information from the DVD includes position information indicating a position (Figs. 3-4 & 19 A, the information from the DVD includes coordinate information as shown in Figs. 3-4 to position the button or WEB LINK BUTTON, as shown in Fig. 19), which the button and position data within the

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DVD content media (col. 5, lines 18-37, "coordinate information ... time information ... start ... end ... of a WEB mark").

Regarding claims 20-21, Kanazawa further meets the limitations of:

- wherein the browser displays the designed content designated at the same time as the media player displays the video content, as understood the WEB button and corresponding WEB content associated with the URLs can be displayed on the same screen with the video from the DVD or internet and video from the DVD at the same time (col. 16, lines 39-40, "**It is of course possible to display the browser while continuing the playback of the DVD video**", in view of the previous passage, upon the user interacting with the WEB button, the playback is paused one mode,
- but, both (DVD and Internet), can be presented at the same time, wherein when and if, the user is not concerned about, "preventing the contents of the DVD video from being missed", such as further suggested Fig. 19 B, having two areas one for DVD video and the other for BROWSING), as disclosed, further the system with browser also facilitates and meets the limitations of displaying a hyperlink {data or HTML} corresponding to any one URL (wherein the HTML is from the address specified in the address data or URL address data).

Claim 8 is analyzed and discussed with respect to claims above, such as claims 6-7 etc.....

Claims 9, 13 and 16 are analyzed and discussed with respect to the claims above, such as claims 1, etc.....

Claims 17-19 are analyzed and discussed with respect to claims above etc.....

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the

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subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(f) or (g) prior art under 35 U.S.C. 103(a).

4. Claims 5 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kanazawa et al. (US 6,580,870) in view of Wang et al. (US 6,173,406).

Regarding claims 5, 12, Kanazawa fails particularly disclose wherein the content designated by the URL is streaming media content.

It is conventional and well known that on the WEB/Internet, there exist URL or addresses on the Web which have streaming content which is associated with URLs, as is well known to those skilled in the art.

Wang teaches wherein user can make requests for streaming content to a media server with a URL (abstract), the URL structure as shown in Fig. 9, as taught by Wang.

Therefore, it would have been obvious to one skilled in the art at the time of the invention to modify Kanazawa to provide URLs corresponding to streaming content, even in association with the DVD content, such as other or different or associated, audio or video streaming content or even in the form of advertisements, in addition to the provided HTML documents, downloaded from the internet/Web using a URL, as taught by Wang, as is obvious to those skilled in the art, that URL can designate streaming content, as well as HTML, which is considered to be cached static content or WEB pages coded in HTML, as is obvious to those skilled on the art.

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Response to Arguments

2. Applicant's arguments filed 8/5/04 against the amended claims, have been fully considered but they are not persuasive.

{A} In re page 7, applicant states, the claims as amended, "Kanazawa since fails to disclose all element of claims 1 and 9, and should be allowed".

In response what elements?

{B} In re page 7, applicant further states, "Kanazawa is not related to a DVD text information parser ... to derive a URL."

In response Fig. 16, shows a URL from the DVD.

What is a text parser??

Is a URL text???

See rejection of claim 2 above.

{C} In re page 8, applicant further state, "Kanazawa does not disclose a URL designating the content nor deriving the URL".

In response, explain what the URL is in Fig. 16, and why the URL is sent to a WWW browser connected to a MODEM/ISDN card WWW server and the relationship between????

See claim 1 for the deriving means being a lookup table and arguments below.

{D} In re page 8, applicant further states, Kanazawa does not disclose a button message nor a script response to the button."

In response, the event script, causes the start/resume position to be stored in an HTML, and deriving the URL.

See detailed rejection of claim 7.

In conclusion, Kanazawa extracts the URL, Fig. 16,

O therefore meets the limitation of a TEXT parser,
O the URL is text and
O the URL can be said or meets the limitation of, "being derived", conventionally known as, "a lookup table", see claim 1, deriving means {table Ids to URLs}.

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The newly appointed primary examiner has considered all arguments carefully and the amended claims as presented and has provided a detailed action with respect to all arguments, wherein the examiner fails to agree with any arguments or positions taken by applicant and therefore, this action is made final.

Conclusion

3. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Contact Fax Information

Any response to this action should be mailed to:
Commissioner of Patents and Trademarks
Washington, D.C. 20231

or faxed to:

(703) 872-9314, (for formal communication
intended for entry)

or:

(703) 308-5359, (for informal or draft communications,
please label "PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal
Park II, 2121 Crystal Drive, Arlington, VA., Sixth
Floor (Receptionist).

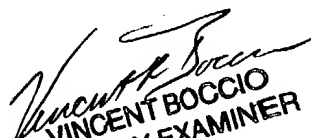
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Contact Information

Any inquiry concerning this communication or earlier communications should be directed to the examiner of record, Monday-Thursday, 8:00 AM to 5:00 PM Vincent F. Boccio (703) 306-3022.

Any inquiry of a general nature or relating to the status of this application should be directed to Customer Service (703) 306-0377.

Primary Examiner, Boccio, Vincent
12/27/04


VINCENT BOCCIO
PRIMARY EXAMINER